

**Amendments to the Specification:**

Please replace paragraph 31, starting on line 21 of page 6 with the following amended paragraph:

-- Fig. 3 illustrates an exemplary impulse radio transmitter 302 of an impulse radio communication system. The transmitter ~~202~~302 includes a time base 304 that generates a periodic timing signal 306. The time base 304 typically comprises a voltage controlled oscillator (VCO), or the like, having a high timing accuracy and low jitter, on the order of picoseconds (ps). The voltage control to adjust the VCO center frequency is set at calibration to the desired center frequency used to define the transmitter's nominal pulse repetition rate. The periodic timing signal 306 is supplied to a precision timing generator 308. --